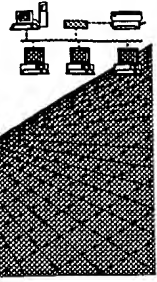


RAW SEQUENCE LISTING **ERROR REPORT**

1636-
BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/177387
Art Unit / Team No. : 01P6
Date Processed by STIC: 11/3/98

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

Raw Sequence Listing Error Summary

SERIAL NUMBER: 09/177387

ERROR DETECTED SUGGESTED CORRECTION

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 ☐ Wrapped Amino Acids The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 ☐ Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
All text must be visible on page.
- 4 ☐ Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 ☐ Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 ☐ Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) features section that some may be missing.
- 7 ☐ Wrong Designation Sequence(s) contain amino acid or nucleic acid designators which are not standard representations as per the Sequence Rules (Please refer to paragraph 1.822)
- 8 ☐ Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 ☐ Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 ☒ Use of N's or Xaa's (NEW RULES) Use of N's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
- 11 ☐ Use of <213>Organism (NEW RULES) Sequence(s) are missing this mandatory field or its response.
- 12 ☐ Use of <220>Feature (NEW RULES) Sequence(s) are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)
(Sec. 1.823 of new Sequence Rules)
- 13 ☐ Wrong Format File submitted was in the alphabetical heading format of the Old Sequence Rules. This is invalid since the "Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Disclosures" Federal Register Notice, Vol. 63, No. 104, June 1, 1998, p. 29620 applies to applications filed on or after July 1, 1998.
AKS-Biotechnology Systems Branch- 7/10/98

JAN 27 1999

GROUP 1800

JAN 27 1999

GROUP 1800

DATE: 11/03/1998

TIME: 15:49:48

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/177,387

Input Set: I177387.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: Hartley, James L.
2 Brasch, Michael A.
3 Temple, Gary F.
4 Fox, Donna K.
5 <120> TITLE OF INVENTION: Recombinational Cloning Using Nucleic Acids Having
6 Recombination Sites
7 <130> FILE REFERENCE: 0942.2850004
8 <140> CURRENT APPLICATION NUMBER: US/09/177,387
9 <141> CURRENT FILING DATE: 1998-10-23
10 <150> EARLIER APPLICATION NUMBER: US 60/065,930
11 <151> EARLIER FILING DATE: 1997-10-24
12 <160> NUMBER OF SEQ ID NOS: 60
13 <170> SOFTWARE: PatentIn Ver. 2.0
14 <210> SEQ ID NO 1
15 <211> LENGTH: 25
16 <212> TYPE: DNA
17 <213> ORGANISM: Unknown
18 <220> FEATURE:
19 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
20 products
21 <400> SEQUENCE: 1 *see item 10 on Ena Summary sheet*
22 rkycwgcttt yktrtactaa stsgb 25
23 <210> SEQ ID NO 2
24 <211> LENGTH: 25
25 <212> TYPE: DNA
26 <213> ORGANISM: Unknown
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
29 products
30 <400> SEQUENCE: 2 *item 10*
31 agccwgcttt yktrtactaa ctsgb 25
32 <210> SEQ ID NO 3
33 <211> LENGTH: 25
34 <212> TYPE: DNA
35 <213> ORGANISM: Unknown
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
38 products
39 <400> SEQUENCE: 3 *item 10*
40 gttcagcttt cktrtactaa ctsgb 25
41 <210> SEQ ID NO 4
42 <211> LENGTH: 25
43 <212> TYPE: DNA
44 <213> ORGANISM: Unknown

*new format**Does Not Comply
Corrected Diskette Needed*

W-->

W-->

W-->

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/177,387DATE: 11/03/1998
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Input Set: I177387.RAW

45 <220> FEATURE:
46 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
47 products
48 <400> SEQUENCE: 4 *item 10*
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50 <210> SEQ ID NO 5
51 <211> LENGTH: 25
52 <212> TYPE: DNA
53 <213> ORGANISM: Unknown
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
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57 <400> SEQUENCE: 5 *item 10*
W--> 58 gttcagcttt yktrtacnaa gtsgb 25
59 <210> SEQ ID NO 6
60 <211> LENGTH: 25
61 <212> TYPE: DNA
62 <213> ORGANISM: Unknown
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
65 products
66 <400> SEQUENCE: 6
67 agcctgcttt tttgtacaaa cttgt 25
68 <210> SEQ ID NO 7
69 <211> LENGTH: 25
70 <212> TYPE: DNA
71 <213> ORGANISM: Unknown
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
74 products
75 <400> SEQUENCE: 7
76 agcctgcttt cttgtacaaa cttgt 25
77 <210> SEQ ID NO 8
78 <211> LENGTH: 25
79 <212> TYPE: DNA
80 <213> ORGANISM: Unknown
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
83 products
84 <400> SEQUENCE: 8
85 acccagcttt cttgtacaaa gtggt 25
86 <210> SEQ ID NO 9
87 <211> LENGTH: 25
88 <212> TYPE: DNA
89 <213> ORGANISM: Unknown
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
92 products
93 <400> SEQUENCE: 9
94 gttcagcttt tttgtacaaa cttgt 25

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RAW SEQUENCE LISTING
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95 <210> SEQ ID NO 10
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97 <212> TYPE: DNA
98 <213> ORGANISM: Unknown
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
101 products
102 <400> SEQUENCE: 10
103 gttcagcttt cttgtacaaa cttgt 25
104 <210> SEQ ID NO 11
105 <211> LENGTH: 25
106 <212> TYPE: DNA
107 <213> ORGANISM: Unknown
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
110 products
111 <400> SEQUENCE: 11
112 gttcagcttt cttgtacaaa gtggt 25
113 <210> SEQ ID NO 12
114 <211> LENGTH: 25
115 <212> TYPE: DNA
116 <213> ORGANISM: Unknown
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
119 products
120 <400> SEQUENCE: 12
121 agcctgcttt tttgtacaaa gttgg 25
122 <210> SEQ ID NO 13
123 <211> LENGTH: 25
124 <212> TYPE: DNA
125 <213> ORGANISM: Unknown
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
128 products
129 <400> SEQUENCE: 13
130 agcctgcttt cttgtacaaa gttgg 25
131 <210> SEQ ID NO 14
132 <211> LENGTH: 25
133 <212> TYPE: DNA
134 <213> ORGANISM: Unknown
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
137 products
138 <400> SEQUENCE: 14
139 acccagcttt cttgtacaaa gttgg 25
140 <210> SEQ ID NO 15
141 <211> LENGTH: 25
142 <212> TYPE: DNA
143 <213> ORGANISM: Unknown
144 <220> FEATURE:

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RAW SEQUENCE LISTING
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148     gttcagcttt tttgtacaaa gttgg                25
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150 <211> LENGTH: 25
151 <212> TYPE: DNA
152 <213> ORGANISM: Unknown
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
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156 <400> SEQUENCE: 16
157     gttcagcttt cttgtacaaa gttgg                25
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159 <211> LENGTH: 39
160 <212> TYPE: DNA
161 <213> ORGANISM: Unknown
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
164     products
165 <400> SEQUENCE: 17
166     ccaccacaaa cgcgtccatg gaattacact ttaatttag        39
167 <210> SEQ ID NO 18
168 <211> LENGTH: 39
169 <212> TYPE: DNA
170 <213> ORGANISM: Unknown
171 <220> FEATURE:
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173     products
174 <400> SEQUENCE: 18
175     ccaccacaag tcgacgcatg ccgacagcct tccaaatgt        39
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177 <211> LENGTH: 46
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
182     oligonucleotide
183 <400> SEQUENCE: 19
184     ggccgattac gatatcccaa cgaccgaaaa cctgtatttt cagggt        46
185 <210> SEQ ID NO 20
186 <211> LENGTH: 30
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
191     oligonucleotide
192 <400> SEQUENCE: 20
193     cagggttttcg gtcgttgga ttcgtaatc                30
194 <210> SEQ ID NO 21

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RAW SEQUENCE LISTING
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195 <211> LENGTH: 47
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
200 oligonucleotide
201 <400> SEQUENCE: 21
202 ggccagatta cgatatccca acgaccgaaa acctgtattt tcagggt 47
203 <210> SEQ ID NO 22
204 <211> LENGTH: 31
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
209 oligonucleotide
210 <400> SEQUENCE: 22
211 cagggttttcg gtcgttgga ttcgtaatc t 31
212 <210> SEQ ID NO 23
213 <211> LENGTH: 48
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
218 oligonucleotide
219 <400> SEQUENCE: 23
220 ggccaagatt acgatatccc aacgaccgaa aacctgtatt ttcagggt 48
221 <210> SEQ ID NO 24
222 <211> LENGTH: 32
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
227 oligonucleotide
228 <400> SEQUENCE: 24
229 cagggttttcg gtcgttgga ttcgtaatc tt 32
230 <210> SEQ ID NO 25
231 <211> LENGTH: 15
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
236 oligonucleotide
237 <400> SEQUENCE: 25
238 accgtttacg tggac 15
239 <210> SEQ ID NO 26
240 <211> LENGTH: 31
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

VERIFICATION SUMMARY
PATENT APPLICATION US/09/177,387DATE: 11/03/1998
TIME: 15:49:48

Input Set: I177387.RAW

Line	?	Error/Warning	Original Text
22	W	"N" or "Xaa" used: Feature required	rkycwgcttt yktrtacnaa stsgb
31	W	"N" or "Xaa" used: Feature required	agccwgcttt yktrtacnaa ctsgb
40	W	"N" or "Xaa" used: Feature required	gttcagcttt cktrtacnaa ctsgb
49	W	"N" or "Xaa" used: Feature required	agccwgcttt cktrtacnaa gtsgb
58	W	"N" or "Xaa" used: Feature required	gttcagcttt yktrtacnaa gtsgb